

Length of Need Program

Form 1:

1. Fill in all the blanks
 - Roadside Slope - the slope of the roadway where the barrier is placed (usually 10:1 or flatter).
 - Transition (L1) - this distance is up to the designer. It can be zero (0).
2. Click the "Calculate the Length of Need" button

Form 2:

- This form calculates the length of need based on minimum and maximum clear zone widths (obtained from the Roadside Design Guide).
1. Input your LA distance (the distance from the edge of the travel way to the back of the area of concern) and input the length of the area of concern in the blank boxes under "Choose Final Parameters".
 2. Click the "Calculate the Final Length of Need" button

Form 3:

- This is the output screen.
1. Click the "Sketch Figure" button. This is a generic sketch to verify the roadway configuration you picked.
 2. Click the "Print" button to print out a copy for the project file.